



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/891,011	06/25/2001	Jing Wu	14357ROUS02U	9405
34845	7590	08/26/2005	EXAMINER	
STEUBING AND MCGUINESS & MANARAS LLP			PATEL, NIKETA I	
125 NAGOG PARK			ART UNIT	PAPER NUMBER
ACTON, MA 01720			2182	

DATE MAILED: 08/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/891,011	WU ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Niketa I. Patel	2182	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 06 June 2005.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-19 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
Paper No(s)/Mail Date _____ .	6) <input type="checkbox"/> Other: _____ .

## **DETAILED ACTION**

### ***Allowable Subject Matter***

1. The indicated allowability of claims 4, 5, 10-14, 17-19 is withdrawn in view of the newly discovered reference(s) to Saleh et al. Pub. No.: US 2005/0135234 A1 Rejections based on the newly cited reference(s) follow.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) The invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Saleh et al. Pat. App. Pub. NO.: 2005/0135234 A1 (hereinafter referred to as “Saleh”.)

4. Referring to claims 1, 7, 15, Saleh teaches a device operative in a communications network having a network node, comprising: at least one port operative to exchange control plane information with said network node [see paragraphs 85, 87 and 98, LSA, link state database]; and a memory portion operative to mirror control plane information received from said network node via said at least one port, wherein said control plane information is connectivity information uniquely associates with said network node [see paragraphs 85, 87 and 98, copy of LSA is sent to all active node.]

Art Unit: 2182

5. **Referring to claims 2, 8,** *Saleh* teaches wherein said control plane information includes a label information database [see paragraphs 85, 87 and 98, LSA, link state database.]

6. **Referring to claims 3, 9, 16,** *Saleh* teaches wherein said label information database is maintained by said network node, and said device is further operative to synchronize said memory portion with said label information database [see paragraphs 85, 87 and 98, LSA, link state database.]

7. **Referring to claims 4, 10, 17,** *Saleh* teaches further operative, following failure of a control plane communication link between said device and said node, to transmit said mirrored control plane information to said node [see paragraphs 55 and 85.]

8. **Referring to claims 5, 11, 12, 13, 14, 18,** *Saleh* teaches further operative, following failure of the control plane communication link between said device and said node, to update said memory portion with the intersection of said transmitted mirrored control plane information and the control plane information maintained by said network node [see paragraphs 55, 85, 87 and 98.]

9. **Referring to claim 6,** *Saleh* teaches further including a plurality of memory portions, each operative to mirror a label information database for a particular link [see paragraphs 59, 55, 85, 87 and 98.]

10. **Referring to claim 19,** including the further step of said first device and said second device employing said intersection of control plane information to transmit data via said link [see paragraphs 59, 55, 85, 87 and 98.]

***Response to Arguments***

11. Applicant's arguments with respect to claims 1-19 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

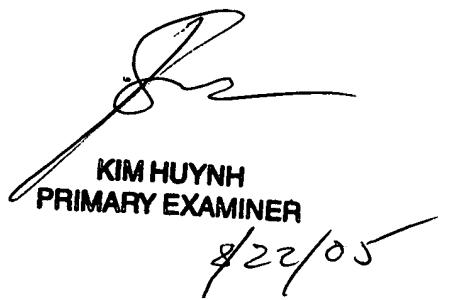
12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following documents have been made record of to further show the state of the art as it pertains to backing up control plane information:

Wu et al. U.S. Pat. App. Pub. No.: 2002/0171886 A1

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Niketa I. Patel whose telephone number is (571) 272 4156. The examiner can normally be reached on M-F 8:00 A.M. to 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on (571) 272 4083. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



KIM HUYNH  
PRIMARY EXAMINER  
8/22/05